



# **STIC Search Report**

## **EIC 3700**

**STIC Database Tracking Number: 100030**

**TO: David Willse**  
**Location: cp2 2d21**  
**Art Unit: 3738**  
**Wednesday, July 30, 2003**

**Case Serial Number: 09/920432**

**From: Terry Solomon**  
**Location: EIC 3700**  
**CP2-2C08**  
**Phone: 305-5932**

**Terrance.solomon@uspto.gov**

### **Search Notes**

No litigation found.

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5931870

August 3, 1999

Acetabular ring prosthesis with reinforcement buttress

REISSUE: August 1, 2001 - Reissue Application filed Ex. Gp.: 3738; Re. S.N. 09/920,432 (O.G. November 12, 2002)

APPL-NO: 727948 (08)

FILED-DATE: October 9, 1996

GRANTED-DATE: August 3, 1999

(C) QUESTEL 1994  
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT

**\*\* SS 1: Results 1**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5931870 A 19990803 [US5931870]  
TI - (A) Acetabular ring prosthesis with reinforcement buttress  
PA - (A) SMITH & NEPHEW INC (US)  
PAO - Smith & Nephew, Inc., Memphis TN [US]  
IN - (A) CUCKLER JOHN M (US); SCHATZKER JOSEPH (CA); GROSS ALLAN E (CA); JOHNSTON CONSTANCE E (US); KELMAN DAVID C (US); MCTIGHE TIMOTHY (US)  
AP - US72794896 19961009 [1996US-0727948]  
PR - US72794896 19961009 [1996US-0727948]  
IC - (A) A61F-002/02 A61F-002/30 A61F-002/34 A61F-002/36  
EC - A61F-002/34  
ICO - K61B-017/86  
K61F-002/00T8C  
K61F-002/30L2A5A  
K61F-002/30L2A9Q  
K61F-002/30S20L  
K61F-002/34A  
K61F-002/34A2F  
K61F-002/34A5  
K61F-002/34D  
K61F-002/34G1  
K61F-002/34L  
K61F-002/34S8  
K61F-002/34T  
K61F-002/34T2  
K61F-002/34W1  
K61F-002/46B5  
K61F-002/46C  
K61F-002/46C2  
PCL - ORIGINAL (O) : 623022210  
DT - Corresponding document  
CT - US5507819; US5507833; US5549691; US5549697; US5584880; US5609646; US5641323; US5658338; US5658348; US5676704; US5702475; US5702477; US5702478; US5709688; EP0563503; DE8807947; WO9423670; WO9613231  
STG - (A) United States patent  
AB - A cemented acetabular prosthesis includes a cup body having a relative thin wall (for example, 2 mm). The body has a concave surface, a convex surface, and an annular rim. A plastic liner registers into a concavity of the cup body, the liner having a wall with a liner wall thickness much greater than the cup body wall thickness and a concave surface and a convex surface that registers and fits the concave surface of the cup body. The cup body wall provides a plurality of openings. Some of the openings are bone screw receptive openings that are reinforced with an annular reinforcement that extends away from the convex surface of the cup body. Other openings are unreinforced openings that allow cement to flow from the concave to the convex side of the cup body and into the patient's acetabulum during surgery. The cup body has a peripheral buttress portion for supporting a volume of cement of the cement mantle at a peripheral interface position between the liner and the body.

1 / 1 LGST - @LEGSTAT

PN - US 5931870 [US5931870]  
AP - US 727948/96 19961009 [1996US-0727948]  
DT - US-P  
ACT - 19961009 US/AE-A  
APPLICATION DATA (PATENT)  
US 727948/96 19961009 [1996US-0727948]

19990803 US/A  
PATENT

20021112 US/RF  
REISSUE APPLICATION FILED  
20010801

UP - 2002-47

1 / 1 CRXX - @CLAIMS/RRX  
PN - 5,931,870 A 19990803 [US5931870]  
PA - Smith & Nephew Inc  
ACT - 20010801 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20011112  
REISSUE REQUEST NUMBER: 09/920432  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3738

Reissue Patent Number:

20010803 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: CUCKLER, JOHN M. DATE SIGNED: 04/16/1997

Assignee: SMITH & NEPHEW, INC. 1450 BROOKS ROAD MEMPHIS TENNESSEE  
38116

Reel 012048/Frame 0316

Contact: KILPATRICK STOCKTON, LLP JOHN S. PRATT 1100 PEACHTREE  
STREET SUITE 2800 ATLANTA, GA 30309-4530

20010803 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: GROSS, ALLAN E. DATE SIGNED: 04/11/1997

Assignee: SMITH & NEPHEW, INC. 1450 BROOKS ROAD MEMPHIS TENNESSEE  
38116

Reel 012048/Frame 0293

Contact: KILPATRICK STOCKTON LLP JOHN S. PRATT SUITE 2800 1100  
PEACHTREE STREET ATLANTA GA 30309-4530

20010803 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: JOHNSTON, CONSTANCE E. DATE SIGNED: 04/14/1997

Assignee: SMITH & NEPHEW, INC. 1450 BROOKS ROAD MEMPHIS TENNESSEE  
38116

Reel 012048/Frame 0302

Contact: KILPATRICK STOCKTON LLP JOHN S. PRATT 1100 PEACHTREE  
STREET SUITE 2800 ATLANTA, GA 30309-4530

20010803 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: MCTIGHE, TIMOTHY DATE SIGNED: 04/15/1997

Assignee: SMITH & NEPHEW, INC. 1450 BROOKS ROAD MEMPHIS TENNESSEE  
38116

Reel 012048/Frame 0319

Contact: KILPATRICK STOCKTON LLP JOHN S. PRATT 1100 PEACHTREE  
STREET ATLANTA GA 30309-4530

20010803 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: SCHATZKER, JOSEPH DATE SIGNED: 04/24/1997

Assignee: SMITH & NEPHEW, INC. 1450 BROOKS ROAD MEMPHIS TENNESSEE  
38116

Reel 012048/Frame 0326

Contact: KILPATRICK STOCKTON LLP JOHN S. PRATT SUITE 2800 1100  
PEACHTREE STREET ATLANTA, GA 30309-4530

Selected file: INPADO

**\*\* SS 1: Results 6**

1 / 6 INPADO - @INPADO  
PN - AU 735275 B2 20010705 [AU-735275]  
TI - ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS  
IN - CUCKLER JOHN M; SCHATZKER JOSEPH; GROSS ALLAN E; JOHNSTON  
CONSTANCE E; KELMAN DAVID C; MCTIGHE TIMOTHY  
PA - SMITH & NEPHEW INC  
AP - AU 46068/97-A 19971001 [1997AU-0046068]  
PR - US 727948/96-A 19961009 [1996US-0727948]  
WO 9717839/97(US)-W 19971001 [1997WO-US17839]  
IC - A61F-002/34

2 / 6 INPADO - @INPADO  
PN - AU 46068/97 A1 19980505 [AU9746068]  
TI - ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS  
IN - CUCKLER JOHN M; SCHATZKER JOSEPH; GROSS ALLAN E; JOHNSTON

CONSTANCE E; KELMAN DAVID C; MCTIGHE TIMOTHY  
PA - SMITH & NEPHEW INC  
AP - AU 46068/97-A 19971001 [1997AU-0046068]  
PR - US 727948/96-A 19961009 [1996US-0727948]  
WO 9717839/97(US)-W 19971001 [1997WO-US17839]  
IC - A61F-002/34

3 / 6 INPADOC - ©INPADOC  
PN - EP 948298 A1 19991013 [EP-948298]  
TI - ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS  
LA - ENG  
IN - CUCKLER JOHN M [US]; SCHATZKER JOSEPH [CA]; GROSS ALLAN E [CA];  
JOHNSTON CONSTANCE E [US]; KELMAN DAVID C [US]; MCTIGHE TIMOTHY  
[US]  
PA - SMITH & NEPHEW INC [US]  
AP - EP 97944609/97-A 19971001 [1997EP-0944609]  
PR - WO 9717839/97(US)-W 19971001 [1997WO-US17839]  
US 727948/96-A 19961009 [1996US-0727948]  
IC - A61F-002/34  
DS - AT\* BE\* CH\* DE\* DK\* ES\* FI\* FR\* GB\* GR\* IE\* IT\* LI\* LU\* MC\* NL\*  
PT\* SE\*

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PN - EP 948298 [EP-948298]  
AP - EP 97944609/97 19971001 [1997EP-0944609]  
DT - EP-P  
ACTE- 19971001 EP/AE-A  
EP-APPLICATION  
EP 97944609/97 19971001 [1997EP-0944609]

19991013 EP/AK-A1 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH  
REPORT:  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

19991013 EP/A1 [+]  
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19991013 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
19990329

20020320 EP/17Q [+]  
FIRST EXAMINATION REPORT  
20020131

UP - 2002-12

4 / 6 INPADOC - ©INPADOC  
PN - JP 2001501848 T2 20010213 [JP2001501848]  
AP - JP 517620/98-A 19971001 [1998JP-0517620]  
PR - WO 9717839/97(US)-W 19971001 [1997WO-US17839]  
US 727948/96-A 19961009 [1996US-0727948]  
IC - A61F-002/34

5 / 6 INPADOC - ©INPADOC

PN - US 5931870 A 19990803 [US5931870]  
 TI - ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS  
 IN - CUCKLER JOHN M [US]; SCHATZKER JOSEPH [CA]; GROSS ALLAN E [CA];  
 JOHNSTON CONSTANCE E [US]; KELMAN DAVID C [US]; MCTIGHE TIMOTHY  
 [US]  
 PA - SMITH & NEPHEW INC [US]  
 AP - US 727948/96-A 19961009 [1996US-0727948]  
 PR - US 727948/96-A 19961009 [1996US-0727948]  
 IC - A61F-002/02; A61F-002/30; A61F-002/34; A61F-002/36

1 / 1 LEGALI - @LEGSTAT  
 PN - US 5931870 [US5931870]  
 AP - US 727948/96 19961009 [1996US-0727948]  
 DT - US-P  
 ACTE- 19961009 US/AE-A  
 APPLICATION DATA (PATENT)  
 US 727948/96 19961009 [1996US-0727948]  
 19990803 US/A  
 PATENT  
 20021112 US/RF  
 REISSUE APPLICATION FILED  
 20010801  
 UP - 2002-47

6 / 6 INPADOC - @INPADOC  
 PN - WO 9815240 A1 19980416 [WO9815240]  
 TI - ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS  
 LA - ENG  
 IN - CUCKLER JOHN M; SCHATZKER JOSEPH; GROSS ALLAN E; JOHNSTON  
 CONSTANCE E; KELMAN DAVID C; MCTIGHE TIMOTHY  
 PA - SMITH & NEPHEW INC [US]  
 AP - WO US 9717839/97(US)-A 19971001 [1997WO-US17839]  
 PR - US 727948/96-A 19961009 [1996US-0727948]  
 IC - A61F-002/34  
 DS - AL\* AM\* AT\* AU\* AZ\* BA\* BB\* BG\* BR\* BY\* CA\* CH\* CN\* CU\* CZ\* DE\*  
 DK\* EE\* ES\* FI\* GB\* GE\* GH\* HU\* ID\* IL\* IS\* JP\* KE\* KG\* KP\* KR\*  
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1 / 3 LEGALI - @LEGSTAT  
 PN - JP 517620/98  
 AP - JP 517620/98 - [1998JP-0517620]  
 DT - JP-A  
 ACTE- 19990406 JP/REFW-P  
 CORRESPONDS TO PCT APPLICATION  
 <WO 9815240> [WO9815240]  
 UP - 2000-13

2 / 3 LEGALI - @LEGSTAT  
 PN - CA 2267246 [CA2267246]  
 DT - CA-P  
 ACTE- 19990329 CA/REFW-P

CORRESPONDS TO PCT APPLICATION  
<WO 9815240> [WO9815240]  
UP - 1999-23

3 / 3 LEGALI - @LEGSTAT  
PN - WO 9815240 [WO9815240]  
AP - WO 9717839/97(US) 19971001 [1997WO-US17839]  
DT - WO-P  
ACTE- 19971001 WO/AE-A  
APPLICATION DATA  
WO 9717839/97(US) 19971001 [1997WO-US17839]

19980416 WO/AK-A1 [+]  
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH  
REPORT  
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE  
GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW AM AZ BY KG KZ MD RU TJ TM

19980416 WO/AL-A1 [+]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT  
GH KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL

19980416 WO/A1 [+]  
PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE  
INTERNATIONAL SEARCH REPORT

19980611 WO/DFPE  
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF  
19TH MONTH FROM PRIORITY DATE

19980826 WO/121  
EP: PCT APP. ART. 158 (1)

19990329 WO/ENP-AA  
ENTRY INTO THE NATIONAL PHASE IN:  
<CA 2267246>

19990406 WO/ENP-A  
ENTRY INTO THE NATIONAL PHASE IN:  
<JP 98517620>

19990812 WO/REG; DE/8642 [-]  
DE: IMPACT ABOLISHED FOR DE  
<DE>

UP - 2000-13

Session finished: 30 JUL 2003 Time 15:04:11